

Propafilm™ RGN80

Polypropylene Alloy

Innovia Films Ltd.

Message:

High Clarity, High Purity, Low-Slip Film

Biaxially oriented polypropylene (BOPP) film co-extruded on both sides with polyolefinic copolymers.

RGN60/80/120 are suitable for use as a base for coldseal coating and low-temperature-seal lacquer conversion for collation packaging in the bakery and confectionery industries. RGN may also be used as a high purity carrier film in laminations, and as a single film in general overwrap or horizontal form-fill-and-seal applications where high clarity, low-slip film is required.

General Information			
Features	Excellent Printability		
	Food Contact Acceptable		
	Heat Sealable		
	High Clarity		
	High Purity		
	Low Moisture Vapor Transmission		
	Low Slip		
Uses	Bi-axially Oriented Film		
	Food Service Applications		
	Laminates		
	Packaging		
	Sealants		
Appearance	Clear/Transparent		
Forms	Film		
Processing Method	Coextrusion		
Physical	Nominal Value	Unit	Test Method
Molding Shrinkage			Internal Method
Flow : 129°C, 1 min	6.0	%	
Across Flow : 129°C, 1 min	-1.0	%	
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction			ASTM D1894
vs. Itself - Dynamic, Outside/Outside	0.30		
vs. Itself - Static, Outside/Outside	0.40		
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	2000	µm	
Secant Modulus ¹			ASTM D882
1% Secant, MD	2690	MPa	
1% Secant, TD	2290	MPa	

Tensile Strength ²			ASTM D882
MD : Yield	239	MPa	
TD : Yield	190	MPa	
Tensile Elongation ³			ASTM D882
MD : Break	90	%	
TD : Break	130	%	
Seal Strength ⁴	0.14	N/mm	Internal Method
Seal Initiation Temperature ⁵	116 to 146	°C	Internal Method
Oxygen Permeability (23°C, 0% RH)	58	cm ³ ·mm/m ² /atm/24 hr	ASTM F1927
Water Vapor Transmission Rate (38°C, 90% RH)	7.4	g/m ² /24 hr	ASTM F1770
Corona Treatment	38	dyne/cm	Internal Method
Yield	55.0	m ² /kg	Internal Method
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	105		ASTM D2457
Haze ⁶	2.0	%	ASTM D1003
NOTE			
1.	10%/min		
2.	50%/min		
3.	50%/min		
4.	225°F; 1sec; 15lb/in ² ; untreated to untreated		
5.	2secs; 15lb/in ² ; untreated to untreated		
6.	Wide angle; 2.5°		

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